

CCTTCATAGAGAACAAAGAACTAAAGAAATTCTGTGACAATGGACAATATAATTGCCAGTGTCTCCCT
 CATGGTAATCTCATGCCTCTACAACTACATCCAGTACACTCTCAGGTCAACATCAGAGTAAGGATATGGAGCCTA
 GGATCCCTCTTAAACAACGGAGACGTAATAACCCCTTTATTAGCATAGAATTAAAGATTCCATAGGGATAT
 TTAACAGAAAACCACATTACTTATTACCCCTAGAATAGGTACTTTAAATAGAAGGTGATGTGGATCTGAGGT
 AGGCGGGACAAGAATGGAGACACATCTGAAAAATAGTTATTGTTGAAATTTAGGTACTGACAAGATGGAAGTC
 AACATTCAATGCCTCTGAATGGATCAGAAGTTGTGTTATGATTCTACCACTCAAGTGTCTATGGATCCTCT
 CATTAGGTTCTTATAACCTTGCTCGGTGTTAGGTAAATGGCTTGATTTGGGGCTGGCTGGTTCCA
 GATGGCACACACTGTGACCCTGTCTTATCTGAACCTGGCTTGAGTGAATTATCTTCACTGGTTACTCTACCA
 CTTCACATCATCTCAATGGTCATGAGAGGAAATGGCTTTGGTTGGTTCTTGCAAATTAGTTCACATAATTG
 CAAACATAAACCTTTGTAAGTATCTCTTAATCACTCTTATTGCCATGGATCGCTGTATTGTGTCCTGTGCC
 AGTATGGTCTCAGAACCTGGGACTGTGAGTCTGCCAGAAAAGTGGTCTGGAGCTGGATATTGCTCTGCTG
 CTTACCTGCCACATTTCTTCTTGACTACAGTGAGAGATGCAAGAGGGGATGTGTACTGTATATCTAAATTG
 AATCCTGGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTTATTGCTGCCACAGCTCAGGAATCATCAATT
 CATTATTGGATTCACTGCCCCATGTCTTCACTGCTATCTGCTATGGACTCATGGCTGCCAAGATCTGAGAAGA
 GGCTTGTGAATTCCAGTCGCTTACGTGCTCACTGCTGTAGCGATTCCCTTGTCTGTTGGCTCCCT
 TTCAATTAAATTATGCTTTAGGCAACATCTTAACAATGAGACACTGAGCATTATTCAATATGTTGGTAACCCAGC
 AAATACCTGGCTCCTTAACAGCTGCCAACCCAAACTCTATGTATTCCCTGGGTCAAGAACAGAGACAGA
 CTAATCTATTCTCTGTATGCCAGTCTAGAGAGGGCCCTGAGGGAAAGACTAGTCCTGATGGAAAATTCA
 GACTGACACAGACAGCAACTGTCTTCACTGAACCTGAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGCCA
 AATGGATTCTTCCCTACCCTAGTCTTAATTCTGTCTTATCCATGAAATTCTGAGTATAACTATA
 GAATCTCTGATTGAAAGACAGAGT (SEQ ID NO:1)

MEVNISMPLNGSEVVFYDSTTSSVLWILSLVVLFITFVLGVIGNGLVIWAGFQMAHTVTTSYLNLA
 LSDLSPMV
 TLPLHIISMVMRGKWLFGWFLCKLVHIIANINLFVSIFLITLIAMRCICVLCPVWSQNHR
 TVSLARKVVLGA
 WIF
 ALLLTLPHFLFLTTVRDARGDVYCISKFESWVATSEEQLKMSVIAATASGIINFIIGFS
 MPMSFIAICYGLMA
 KI
 CRRGFVNSSRPLRVLAVAISFFVCWF
 PQLIMLLGNIFNNETLSIIHMLVNP
 ANTLASFNSCLNPI
 LYVFLGQEF
 DRRLIYSLYASLERALRED (SEQ ID NO:2)

FIGURE 1

underlined = deleted in targeting construct

bold = sequence flanking Neo insert in targeting construct

CCTTTCCATAGAGAACAAAGAACTAAGAAATTCTGTGACAAATGGACAATATAATTGGC
CCAGTGTCTCCTCCTCATGGTAATCTCATGCCTCTACAATCTACATCCAGTACACTCTC
 AGGTCAACATCAGAGTAAGGATATGGAGCCTAGGATCCCTCTTAAACAACTGGAGACGT
AATAACCCTCTTATTAAATGCATAGAATTAAAGATTCCATAGGGATATTAAACAGAAAAC
CACATTAACTCTATTACCCCTAGAATAGGTACTTTAAATAGAAGGTGATGTGGGATCTG
AGGTAGGCAGGAAGAACAGAATGGAGACACATCTGAAAAAATAGTTATTGTGAAAATTAG
GTACTGACAAGATGGAAGTCACACATTCAATGCCCTCTGAATGGATCAGAAGTTGTGTTT
ATGATTCTACCACTCAAGTGTCTATGGATCCTCATTAGTGGTTCTCTTATAACCT
TTGTCCTCGGTGTTCTAGGTAAATGGGCTTGTGATTGGGTTGGCTGGGTTCCAGATGGCAC
ACACTGTGACCACTGTCTTATCTGAACCTGGCTTGAGTGATTATCTTCTGGTTA
CTCTACCACTTCACATCATCTCAATGGTCATGAGAGGAAAATGGCTTTGGGTTGTTTC
TTTGCAAATTAGTCACATAATTGCAACATAACCTTTGTAAGTATCTCCTAATCA
CTCTTATTGCCATGGATCGCTGTATTGTGCTCTGTGCCAGTATGGTCTCAGAATCACC
GAACTGTGAGTCGGCCAGAAAAGTGGTTCTGGAGCTTGGATATTGCTCTGCTGCTTA
CCTTGGCACATTCTCTTCTGACTACAGTGAGAGATGCAAGAGGGATGTGTACTGTA
TATCTAAATTGAATCTGGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGGTATTG
CTGCCACAGCTTCAGGAATCATCAATTCAATTGATTGATTGACATGCCATGTCTTCA
TTGCTATCTGCTATGGACTCATGGCTGCCAAGATCTGCAGAAGAGGCTTGTGAATTCCA
GTCGTCCTTACGTGTCCTCACTGCTGTAGCGATTCTCTTGTCTGTTGGTCCCTT
TTCAATTAAATTATGCTTTAGGCAACATCTTAACATGAGACACTGAGCATTATTCATA
TGTTGGTTAACCCAGCAAATACCTTGGCTTCTTAACAGCTGCCCAACCCAAACTCT
ATGTATTCTGGGTCAAGGAATTCAAGAGACAGACTAATCTATTCTGTATGCCAGTCTAG
AGAGGGCCCTGAGGGAAAGACTAGTCCTGATGGAAAATTCAGTCCTGAGCAGTGCACACAG
ACAGCAACTTGCTTCATGAACTGCAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGC
CAATGGGATTTTTTCTCCACCTAGTCTTAATTCTGTCTTATCCTATCTGCATGA
AATTCTGAGTATAACTATAGAATCTCTGTATTGGAAGACAGAAGT

FIGURE 2A

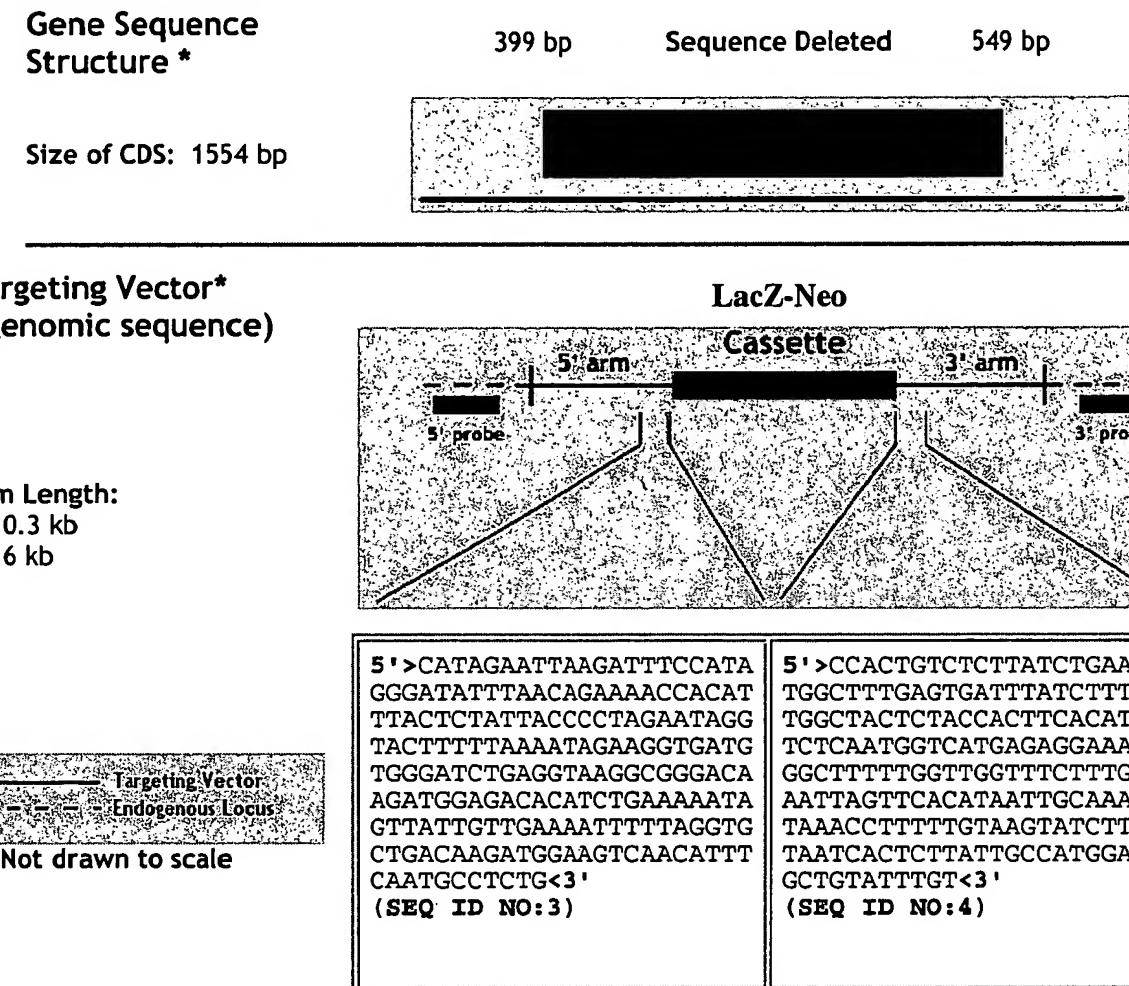


FIGURE 2B

Open Field Summary Data - Percent in Central

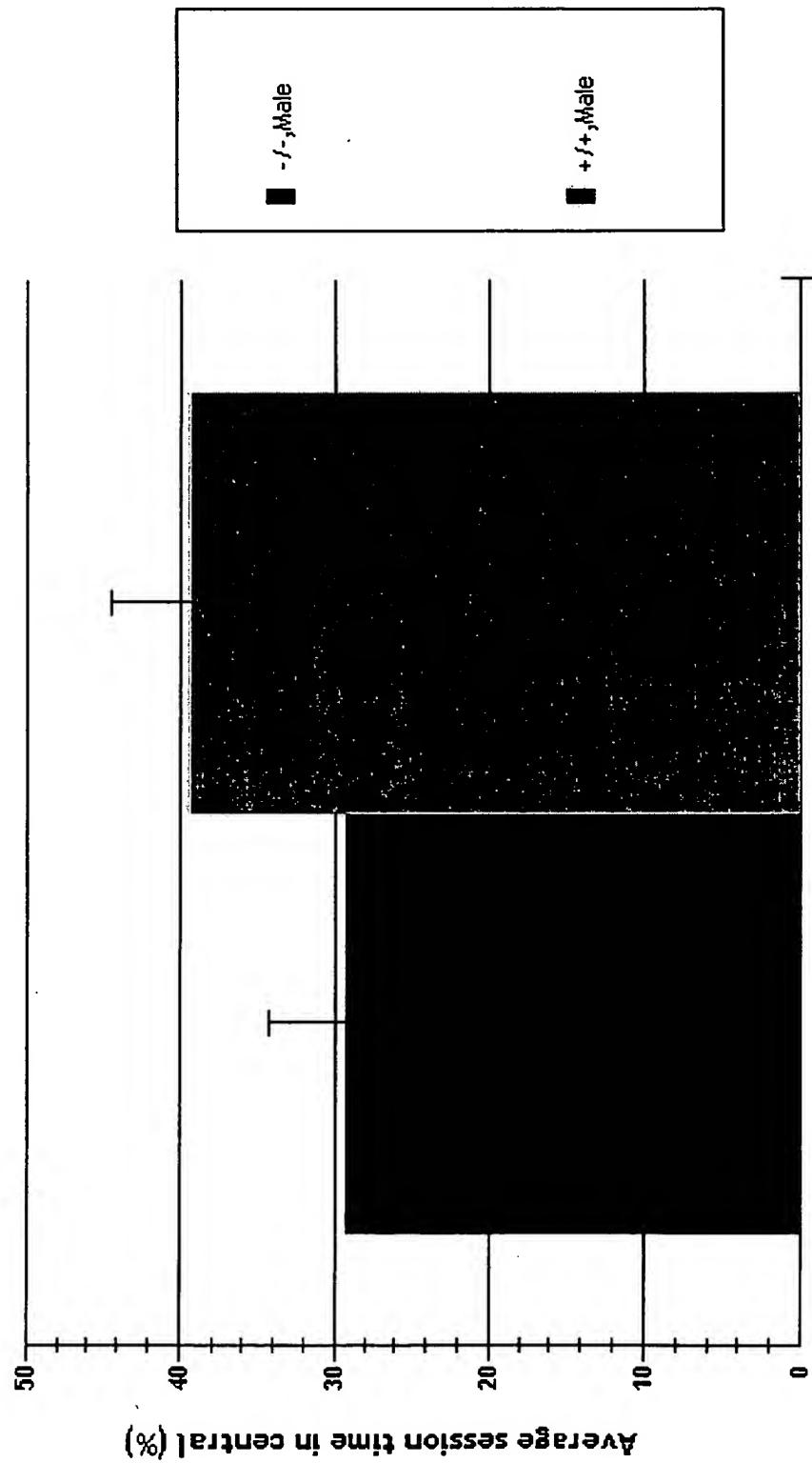


FIGURE 3

Rotarod

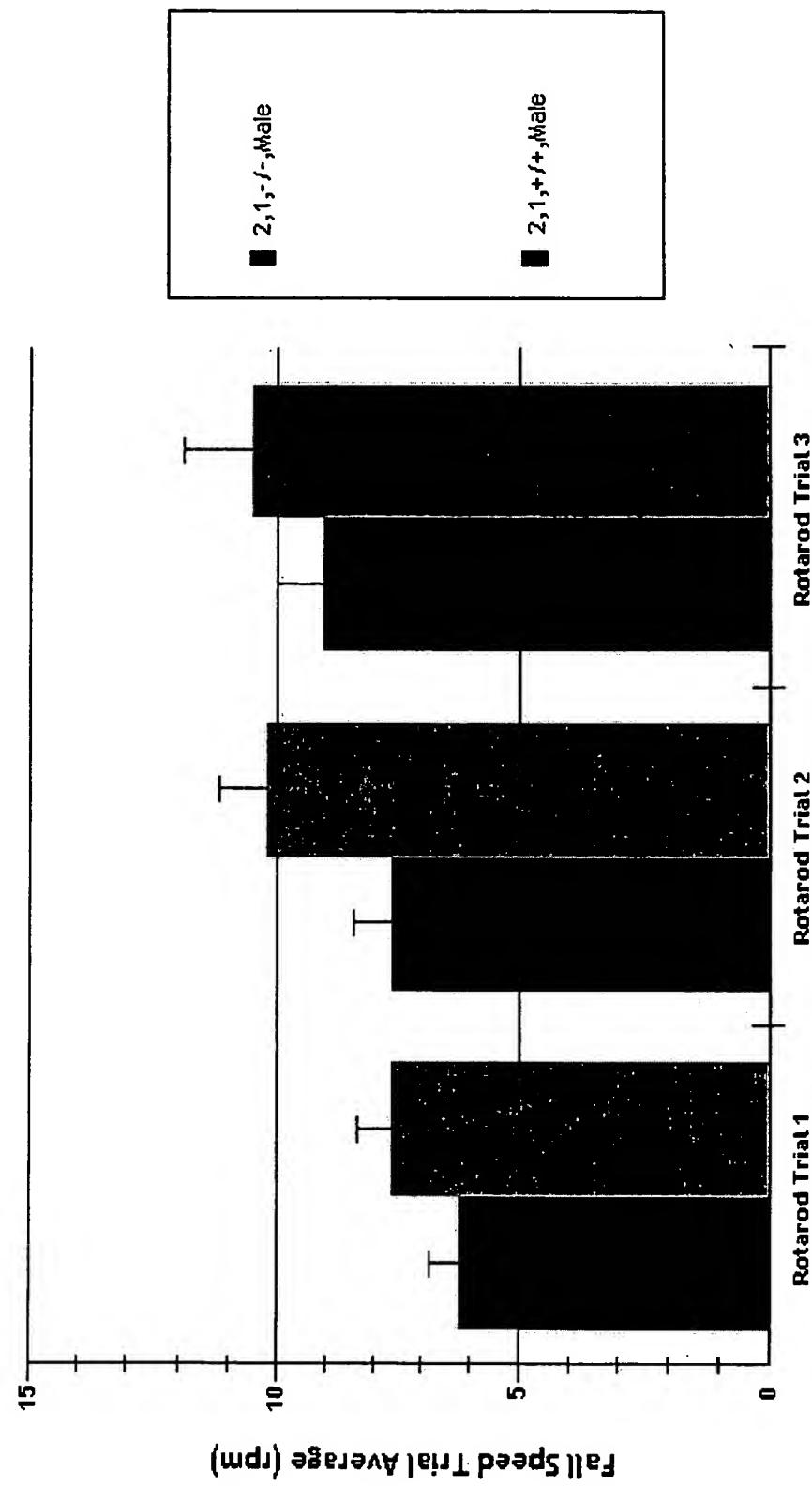


FIGURE 4

6/6
Metrazol

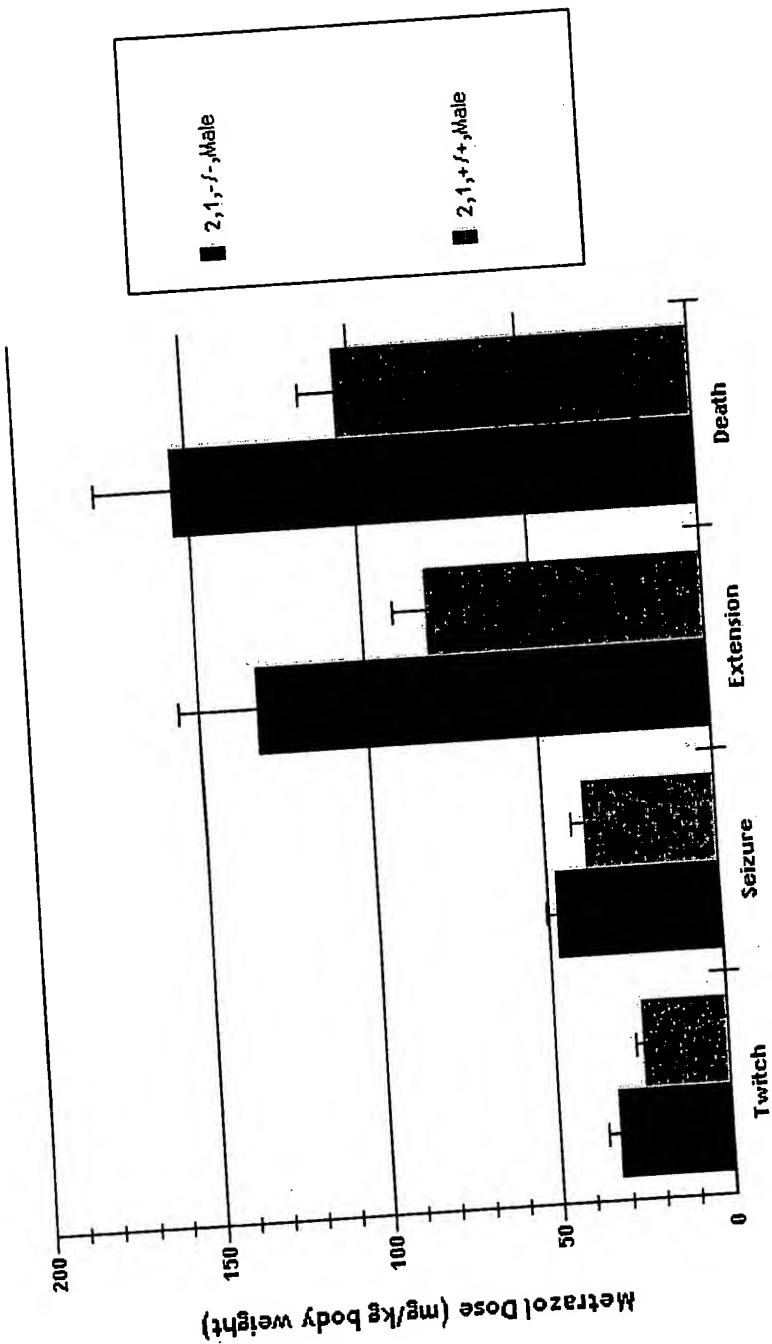


FIGURE 5